



15866  
123003  
U.S. PTO

**PATENT APPLICATION  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Docket No: 29936/39889

**PATENT APPLICATION TRANSMITTAL UNDER 37 C.F.R. 1.53**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

15535 U.S. PTO  
10/749022  
123003



Sir:

Transmitted herewith for filing is the patent application of

Inventor: Sang Kyun Park

Title: METHOD OF FORMING COPPER WIRING IN SEMICONDUCTOR  
DEVICE

**1. Type of Application**

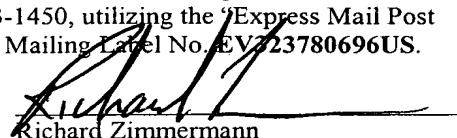
- This is a new application for a
  - utility patent.
  - design patent.
- This is a continuation-in-part application of prior application no.

**2. Application Papers Enclosed**

- 1 Title Page
- 14 Pages of Specification (excluding Claims, Abstract, Drawings & Sequence Listing)
- 6 Pages of Claims
- 1 Page of Abstract
- 4 Sheets of Drawings (Figs. 1 to 3C)
  - Formal
  - Informal

**CERTIFICATION UNDER 37 CFR 1.10**

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on December 30, 2003, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EV223780696US.



Richard Zimmermann

### 3. Declaration or Oath

Enclosed

Executed by (check all applicable boxes)

Inventors

Legal representative of inventor(s)  
(37 CFR 1.42 or 1.43)

Joint inventor or person showing a proprietary interest  
on behalf of inventor who refused to sign or cannot be  
reached

The petition required by 37 CFR 1.47 and the statement  
required by 37 CFR 1.47 are enclosed. See Item 5D  
below for fee.

Not enclosed - the undersigned attorney or agent is authorized to file this  
application on behalf of the applicant(s). An executed declaration will follow.

### 4. Small Entity Status

Applicant claims small entity status. See 37 CFR 1.27.

### 5. Additional Papers Enclosed

Preliminary Amendment

Information Disclosure Statement

Declaration of Biological Deposit

Computer readable copy of sequence listing containing nucleotide and/or  
amino acid sequence

Microfiche computer program

Associate Power of Attorney

Verified translation of a non-English patent application

An assignment of the invention

Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)

Return receipt postcard

Other

### 6. Priority Applications Under 35 USC 119

A certified copy of the application from which priority under 35 USC 119 is claimed  
is listed below and

is attached.

will follow.

COUNTRY	APPLICATION NO.	FILED
Korea	2003-0046291	July 9, 2003
Korea	2003-0046292	July 9, 2003

7. **Filing Fee Calculation (37 CFR 1.16)**

**A.  Utility Application**

**CLAIMS AS FILED - INCLUDING PRELIMINARY AMENDMENT (IF ANY)**

			<b>SMALL ENTITY</b>		<b>OTHER THAN A SMALL ENTITY</b>	
	<b>NO. FILED</b>	<b>NO. EXTRA</b>	<b>RATE</b>	<b>Fee</b>	<b>RATE</b>	<b>Fee</b>
BASIC FEE				\$385.00		\$770.00
TOTAL	25 - 20	= 5	X 9 =	\$	X 18 =	\$90.00
INDEP.	2 - 3	= 0	X 43 =	\$	X 86 =	\$0.00
: First Presentation of Multiple Dependent Claim			+ 145 =	\$	+ 290 =	\$0.00
Filing Fee:				\$	<b>OR</b>	\$860.00

**B. Design Application** Filing Fee: \$ \_\_\_\_\_

**C. Plant Application** Filing Fee: \$ \_\_\_\_\_

**D. Other Fees**

- Recording Assignment \$ \_\_\_\_\_
- Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached \$ \_\_\_\_\_
- Other \$ \_\_\_\_\_

**Total Fees Enclosed \$860.00**

8. **Method of Payment of Fees**

- Enclosed check in the amount of: \$860.00
- Charge Deposit Account No. 13-2855 in the amount of: \$ \_\_\_\_\_  
A copy of this Transmittal is enclosed.
- Not enclosed

**9. Deposit Account and Refund Authorization**

The Commissioner is hereby authorized to charge any deficiency in the amount enclosed or any additional fees which may be required during the pendency of this application under 37 CFR 1.16 or 37 CFR 1.17 or under other applicable rules (except payment of issue fees), to Deposit Account No. 13-2855. A copy of this Transmittal is enclosed.

Please refund any overpayment to Marshall, Gerstein & Borun LLP at the address below.

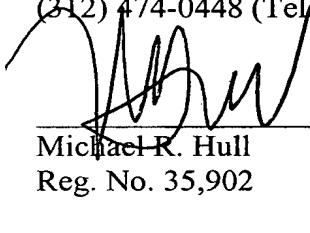
**10. Correspondence Address**  
Customer No.: 04743

Respectfully submitted,

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December 30, 2003

By:

  
Michael R. Hull  
Reg. No. 35,902